Panasonic
ideas for life

HM-TA20
HD Mobile Camera

- Full-HD Shooting with a 3m Waterproof, 1.5m Shockproof and Dustproof*
- Night View Mode* for Bright Video Recording
- Large 3.0-inch LCD* with Touch Operation
- Tripod stand Included for Self Portraits
- Voice Recording (Linear PCM)
- E.I.S. (Electrical Image Stabilizer)

HD Mobile Camera with a Tough Design

GENERAL

Power Supply (Battery / USB)	DC3.7V / 5.0V
Dimension (W x H x D)	approx. 64.3x112.6x17.7[mm]
Media	SD/SDHC/SDXC Memory Card (Movie / Still Picture)
On-Screen Display Language	English, German, French, Italian, Netherlandic, Swedish, Spanish, Polish, Czech, Turkish

IMAGE SENSOR

Image Sensor	1/4.1" MOS Sensor
Total Pixels	5.33 Mega Total Pixels

Effective Pixels

Motion Image	2.93 megapixels [16:9] 2.19 megapixels [4:3]
Still Image	2.93 megapixels [16:9] 5.08 megapixels [4:3]

LENS SECTION

F Value	F2.8
Focal Length	4.1mm +/-5%

35mm Film camera Equivalent

Panasonic
ideas for life

Motion Image	49mm (16:9), 59mm (4:3)
Still Picture	49mm (16:9), 39mm (4:3)

CAMERA SECTION

Image Stabilizer	E.I.S. [Electorical Image Stabilizer]
Focus	Auto
White Balance	Auto

Zoom

Digital Zoom	4x

MONITOR

Monitor (LCD)	7.0cm (3.0") Touch LCD (230,400 dots)

STILL IMAGE SECTION

Recording Format	JPEG(DCF/Exif2.2)

Recording Image Size

Still Picture	8 megapixels (3264 x 2448) [4:3] 2.1 megapixels (1920 x 1080) [16:9] 1.9 megapixels (1600 x 1200) [4:3] 0.3 megapixels (640 x 480) [4:3]
Creating still picture from motion picture	2.1 megapixels (1920 x 1080) [16:9]

RECORDING SECTION

Signal System	1080/ 30p, 720/ 30p, 480/ 30p
Recording Format	MPEG-4 AVC/H.264
Recording / Playback Mode	1080/ 30p, (1920 x 1080) 720/ 30p, (1280 x 720) 480/ 30p, (640 x 480)
Audio Recording System	AAC (2ch)
Microphone	2ch stereo
Speaker	Dynamic type

INTERFACES

HDMI	Yes (mini)
USB	2.0 Hi-Speed

OTHERS

LED Video Light	Yes
Voice Recording	Yes (LPCM, ACC)

TOUGH

Panasonic
ideas for life

Waterproof	Yes(3m / 10ft)
Dustproof	Yes
Shockproof	Yes(1.5m / 5ft)

STANDARD ACCESSORIES

Rechargeable Battery Pack	(included in body)
USB Cable	Yes
Included Software	HD Writer PE2.0
Stylus Pen	Yes
Others	Tripod Stand